Author Index

Akhtar Hussain Zaidi, S.
Liquid-phase oxidation of cyclohexanone to adipic acid catalysed by cobalt and bromide ions in acetic adic 247
Bechadergue-Labiche, C.
—, Canesson, P. and Blanchard, M.
Selective transformation of methanol into light olefins on metallic catalysts 299
Beeckman, J.W., see Pereira, C.J. 47
Beek, A. van der, see Heveling, J. 325
Beran, S., see Kapustin, G.I. 239
Bernal, S., see Kieffer, R. 77
Blanchard, M., see Bechadergue-Labiche, C. 299
Bonnier, J.M.
—, Damon, J.P. and Masson, J.
New Approach to skeletal nickel catalysts. Catalytic properties of the nickel-chromium system 285
Boronin, A.I., see Ryndin, Yu. 131
Brueva, T.R., see Kapustin, G.I. 239
Bülow, C., see Völter, J. 15
Canesson, P., see Bechadergue-Labiche, C. 299
Chakrabarty, D.K., see Ramachandran, A. 229
Chaouki, J., see Klvana, D. 121
Caro, J., see Völter, J. 15
Chauvin, B., see Massiani, P. 105
Chavarie, C., see Klvana, D. 121
Chavin, Y.
—, Commereuc, D., Hugues, F. and Thivolle-Cazat, J.
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205
Chen, N.Y.
—, and Lucki, S.J.
Low-temperature hydrocarbon conversion over rare-earth-exchanged zeolite X catalyst 169
Cheng, W.-C., see Pereira, C.J. 47
Chuvilin, A.L., see Ryndin, Yu. 131
Commereuc, D., see Chauvin, Y. 205
Damon, J.P., see Bonnier, J.M. 285
De Beer, V.H.J., see Ramselaar, V.L.T.M. 153
De Pender, M., see Heveling, J. 325
Durupty, M.C., see Perrichon, V. 217
Fahlke, M., see Völter, J. 15
Fajula, F., see Massiani, P. 105
Figueras, F., see Massiani, P. 105
Fischbacher, M., see Kramer, R. 337
Gruber, H.L., see Kramer, R. 337
Gueguen, C., see Massiani, P. 105
Hayasaka, T., see Uchiyama, S. 143
Heveling, J.
—, Van der Beek, A. and De Pender, M
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325
Hodnett, B.K., see O'Conner, M. 91
Huang, Y.-J., see Xue, J. 61
Hugues, F., see Chauvin, Y. 205
Hunger, M., see Völter, J. 15
Hunter, R., see Jansen van Rensburg, L. 29
Hutchings, G.J., see Jansen van Rensburg, L. 29
Ihm, S.-K., see Moon, S.-J. 307
Ione, V.M., see Kikhtyanin, O.V. 1
Jansen van Tensburg, L.
—, Hunter, R. and Hutchings, G.J.
Methanol conversion to hydrocarbons. Primary versus secondary formation of methane and ethene 29
Kapustin, G.I.
—, Brueva, T.R., Klyachko, A.L., Beran, S. and Wichterlova, B.
Determination of the number and acid strength of acid sites in zeolites by ammonia adsorption. Comparison of calorimetry and temperature-programmed desorption of ammonia 239
Kärger, B., see Völter, J. 15
Kawata, N., see Uchiyama, S. 143
Kieffer, R.
—, Kiennemann, A., Rodriguez, M., Bernal, S. and Rodriguez-Izquierdo, J.M.
Promoting effect of lanthana in the hydrogenation of carbon monoxide over supported rhodium catalysts 77
Kiennemann, A., see Kieffer, R. 77
Kikhtyanin, O.V.
—, Mastikhin, V.M., and Ione, K.G.
Methanol conversion on aluminophosphates with zeolite structure 1

Kiyozumi, Y., see Suzuki, K. 35
Klvana, D.
—, Chaouki, J., Kusohorsky, D., Chavarie, C. and Pajonk, G.M.
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalyst in integral flow conditions 121
Klyachko, A.L., see Kapustin, G.I. 239
Kramer, R.
—, Fischbacher, M. and Gruber, H.L.
Slow uptake of oxygen and carbon monoxide by platinum/silica (EUROPT-1) and subsequent effects on hydrogenation of benzene and hydrogenolysis of methylcyclopentane 337
Kusohorsky, D., see Klvana, D. 121
Lambert, R.M., see Ungar, R.K. L1
Lucki, J., see Chen, N.Y. 169
Massiani, P.
—, Chauvin, B., Fajula, F., Figueras, F. and Gueguen, C
Activation of zeolite Ω. I. Physicochemical characterization of calcined and self-steamed samples 105
Masson, J., see Bonnier, J.M. 285
Mastikhin, V.M. see Kikhtyanin, O.V. 1
Matsuzaki, Y., see Suzuki, K. 35
Moon, S.-J.
—, and Ihm, S.-K.
Nitric oxide chemisorption and temperature-programmed desorption study of cobalt and molybdenum catalysts supported on activated carbon and alumina 307
Nosova, L.V., see Ryndin, Yu. 131
O'Conner, M.
—, and Hodnett, B.K.
Preparation of vanadium–phosphorus oxide catalysts. I. Dissolution and reduction of vanadium pentoxide and isolation of the precursor 91
Ohbayashi, Y., see Uchiyama, S. 143
Pajonk, G.M., see Klvana, D. 121
Pender, M. de, see Heveling, J. 325
Pereira, C.J.
—, Cheng, W.-C., Beeckman, J.W. and Suarez, W.
Performance of the Minilith – A shaped hydrodemetallation catalyst 47
Perrichon, V.
— and Durupty, M.C.
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Plischke, J.K.
— and Vannice, M.A.
Effect of pretreatment on the adsorption properties of silver crystallites 255
Popielarz, A., see Sulikowski, B. 195
Ramachandran, A.
— and Chakrabarty, D.K.
Silica supported rhodium–ruthenium bimetallic catalysts in carbon monoxide hydrogenation. I. Influence of the method of preparation and methanation behaviour 229
Ramselaar, W.L.T.M.
—, De Beer, V.H.J. and Van der Kraan, A.M.
Iron sulphide containing hydrodesulphurization catalysts. Mössbauer study of the sulphidibility of α-iron(III) oxide 153
Rodriguez, M., see Kieffer, R. 77
Rodriguez-Izquierdo, J.M., see Kieffer, R. 77
Ryndin, Yu.
—, Nosova, L.V., Boronin, A.I. and Chuvilin, A.L.
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Schwarz, J.A., se Xue, J. 61
Shin, S., see Suzuki, K. 35
Suarez, W., see Pereira, C.J. 47
Sulikowski, B.
— and Popielarz, A.
Conversion of methanol on ultrastable faujasitic catalysts. Selective formation of hexamethylbenzene 195
Suzuki, K.
—, Kiyozumi, Y., Matsuzaki, K and Shin, S.
Effect of crystallization time on the physicochemical and catalytic properties of a ZSM-5 type zeolite 35
Thivolle-Cazat, J., see Chauvin, Y. 205
Uchiyama, S.
—, Ohbayashi, Y., Hayasaka, T. and Kawata, N.
Production of higher alcohols from synthesis gas over nickel containing catalysts. Effects of adding copper and sodium to coprecipitated $NiO–TiO_2$ catalysts 143
Ungar, R.K.

—, Zhang, X. and Lambert, R.M.
High selectivity catalysts for the oxidative coupling of methane. Complex oxides with the rock salt structure L1
Van der Beek, A., see Heveling, J. 325
Van der Kraan, A.M., see Ramselaar, W.L.T.M. 153
Vannice, M.A., see Plischke, J.K. 255
Völter, J.
—, Caro, J., Bülow, M., Fahlke, B., Kärger, J. and Hunger, M.
Diffusion, cracking and coking on HZSM-5 of various morphologies 15
Wichterlova, B., see Kapustin, G.I. 239
Xue, J.
—, Huang, Y.-J. and Schwarz, J.A.
Interaction between iridium and platinum precursors in the preparation of iridium–platinum catalysts 61
Zhang, X., see Ungar, R.K. L1

Subject Index

Acid strength
Determination of the number and acid strength of acid sites in zeolites by ammonia adsorption. Comparison of calorimetry and temperature-programmed desorption of ammonia 239
Acid-base catalysis
Methanol conversion on aluminophosphates with zeolite structure 1
Adipic acid
Liquid-phase oxidation of cyclohexanone to adipic acid catalysed by cobalt and bromide ions in acetic acid 247
Adsorption
Diffusion, cracking and coking on HZSM-5 of various morphologies 15
Adsorption
Activation of zeolite Ω. I. Physicochemical characterization of calcined and self-steamed samples 105
Adsorption
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Adsorption
Effect of pretreatment on the adsorption properties of silver crystallites 255
Adsorption
Slow uptake of oxygen and carbon monoxide by platinum/silica (EUROPT-1) and subsequent effects on hydrogenation of benzene and hydrogenolysis of methylcyclopentane 337
Ageing
Effect of crystallization time on the physicochemical and catalytic properties of a ZSM-5 type zeolite 35
Ageing
Performance of the Minilith – A shaped hydrodemetallation catalyst 47
Ageing
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalyst in intergral flow conditions 121
Ageing
Production of higher alcohols from synthesis gas over nickel containing catalysts. Effects of adding copper and sodium to co-precipitated $NiO\text{-}TiO_2$ catalysts 143
Ageing
Low-temperature hydrocarbon conversion over rare-earth-exchanged zeolite X catalyst 169
Alkali metals
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Alumina
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Aluminophosphates
Methanol conversion on aluminophosphates with zeolite structure 1
Ammonia adsorption
Determination of the number and acid strength of acid sites in zeolites by ammonia adsorption. Comparison of calorimetry and temperature-programmed desorption of ammonia 239

Butane oxidation
Preparation of vanadium-phosphorus oxide catalysts. I. Dissolution and reduction of vanadium pentoxide and isolation of the precursor 91

Calorimetry
Determination of the number and acid strength of acid sites in zeolites by ammonia adsorption. Comparison of calorimetry and temperature-programmed desorption of ammonia 239
Carbon monoxide hydrogenation
Promoting effect of lanthana in the hydrogenation of carbon monoxide over supported rhodium catalysts 77
Carbon monoxide hydrogenation
Silica supported rhodium-ruthenium bimetallic catalysts in carbon monoxide hydrogenation. I. Influence of the method of preparation and methanation behaviour 229
Carbonyl group hydrogenation

New approach to skeletal nickel catalysts. Catalytic properties of the nickel-chromium system 285
Catalyst characterization
Methanol conversion on aluminophosphates with zeolite structure 1
Catalyst characterization
Methanol conversion to hydrocarbons. Primary versus secondary formation of methane and ethene 29
Catalyst characterization
Interaction between iridium and platinum precursors in the preparation of iridium–platinum catalysts 61
Catalyst characterization
Promoting effect of lanthana in the hydrogenation of carbon monoxide over supported rhodium catalysts 77
Catalyst characterization
Preparation of vanadium-phosphorus oxide catalysts. I. Dissolution and reduction of vanadium pentoxide and isolation of the precursor 91
Catalyst characterization
Activation of zeolite Ω.I. Physicochemical characterization of calcined and self-steamed samples 105
Catalyst characterization
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Catalyst characterization
Iron sulphide containing hydrodesulphurization catalysts. Mössbauer study of the sulphidibility of α-iron(III) oxide 153
Catalyst characterization
Conversion of methanol on utrastable faujastitic catalysts. Selective formation of hexamethylbenzene 195
Catalyst characterization
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Catalyst characterization
Effect of pretreatment on the absorption properties of silver crystallites 255
Catalyst characterization
New approach to skeletal nickel catalysts. Catalytic properties of the nickel-chromium system 285
Catalyst characterization
Nitric oxide chemisorption and temperature-programmed desorption study of cobalt and molybdenum catalysts supported on activated carbon and alumina 307
Catalyst characterization
Slow uptake of oxygen and carbon monoxide by platinum/silica (EUROPT-1) and subsequent effects on hydrogenation of benzene and hydrogenolysis of methylcyclopentane 337
Catalyst preparation
Effect of crystallization time on the physicochemical and catalytic properties of a ZSM-5 type zeolite 35
Catalyst preparation
Interaction between iridium and platinum precursors in the preparation of iridium–platinum catalysts 61
Catalyst preparation
Promoting effect of lanthana in the hydrogenation of carbon monoxide over supported rhodium catalysts 77
Catalyst preparation
Preparation of vanadium-phosphorus oxide catalysts. I. Dissolution and reduction of vanadium pentoxide and isolation of the precursor 91
Catalyst preparation
Activation of zeolite Ω. I. Physicochemical characterization of calcined and self-steamed samples 105
Catalyst preparation
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalystain integral flow conditions 121
Catalyst preparation
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Catalyst preparation
Production of higher alcohols from synthesis gas over nickel containing catalysts. Effect of adding copper and sodium to coprecipitated $NiO–TiO_2$ catalysts 143
Catalyst preparation
Conversion of methanol on ultrastable faujasitic catalysts. Selective formation of hexamethylbenzene 195

Catalyst preparation
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205
Catalyst preparation
Silica supported rhodium-ruthenium bimetallic catalysts in carbon monoxide hydrogenation. I. Influence of the method of preparation and methanation behaviour 299
Catalyst preparation
Effect of pretreatment on the adsorption properties of silver crystallites 255
Catalyst preparation
Selective transformation of methanol into light olefins on metallic catalysts 299
Cetane index
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325
Chromia
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Cobalt
Selective transformation of methanol into light olefins on metallic catalysts 299
Cobalt
Nitric oxide chemisorption and temperature-programmed desorption study of cobalt and molybdenum catalysts supported on activated carbon and alumina 307
Cobalt acetate monobromide complex
Liquid-phase oxidation of cyclohexanone to adipic acid catalysed by cobalt and bromide ions in acetic acid 247
Cobalt-molybdenum/alumina
Performance of the Minilith - A shaped hydrodemetallation catalyst 47
Coke formation
Diffusion, cracking and coking on HZSM-5 of various morphologies 15
Coke formation
Low-temperature hydrocarbon conversion over rare-earth-exchanged zeolite X catalyst 169
Complex oxides
High selectivity catalyst for the oxidative coupling of methane. Complex oxides with the rock salt structure L1
Cracking
Diffusion, cracking and coking on HZSM-5 of various morphologies 15
Cracking
Methanol conversion to hydrocarbons. Primary versus secondary formation of methane and ethene 29
Cracking
Low-temperature hydrocarbon conversion over rare-earth-exchanged zeolite X catalyst 169
Crystallization time
Effect of crystallization time on the physicochemical and catalytic properties of a ZSM-5 type zeolite 35
Cyclohexanone oxidation
Liquid-phase oxidation of cyclohexanone to adipic acid catalysed by cobalt and bromide ions in acetic acid 247

Diffusion
Diffusion, cracking and coking on HZSM-5 of various morphologies 15

Ethene oligomerization
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325
Ethylene hydrogenation
Nitric oxide chemisorption and temperature-programmed desorption study of cobalt and molybdenum catalysts supported on activated carbon and alumina 307
Ethylenic group hydrogenation
New approach to skeletal nickel catalysts. Catalytic properties of the nickel-chromium system 285

Faujasite
Conversion of methanol on ultrastable faujasitic catalysts. Selective formation of hexamethylbenzene 195
Fischer-Tropsch synthesis
Selective transformation of methanol into light olefins on metallic catalysts 299

Geocatalysis
Low-temperature hydrocarbon conversion over rare-earth-exchanged zeolite X catalyst 169

Hexamethylbenzene
Conversion of methanol on ultrastable faujasitic catalysts. Selective formation of hexamethylbenzene 195
Hydrodematallation
Performance of the Minilith - A shaped hydrodemetallation catalyst 47
Hydrodesulphurization
Iron sulphide containing hydrodesulphurization catalysts. Mössbauer study of the sulphidibility of α-iron(III) oxide 153
Hydrodesulphurization
Nitric oxide chemisorption and temperature-programmed desorption study of cobalt and molybdenum catalysts supported on activated carbon and alumina 307
Hydrogen storage
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalyst in integral flow conditions 121
Hydrogenation
New approach to skeletal nickel catalysts. Catalytic properties of the nickel–chromium system 285
Hydrogenation
Slow uptake of oxygen and carbon monoxide by platinum/silica (EUROPT-1) and subsequent effects on hydrogenation of benzene and hydrogenolysis of methylcyclopentane 337
Hydrogenolysis
Slow uptake of oxygen and carbon monoxide by platinum/silica (EUROPT-1) and subsequent effects on hydrogenation of benzene and hydrogenolysis of methylcyclopentane 337
HZSM-5
Diffusion, cracking and coking on HZSM-5 of various morphologies 15
HZSM-5
Methanol conversion to hydrocarbons. Primary versus secondary formation of methane and ethene 29

Ion exchange
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325
Iridium/alumina
Interaction between iridium and platinum precursors in the preparation of iridium–platinum catalysts 61

Kinetics
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalystin integral flow conditions 121
Kinetics
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205

Magnesia
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Maleic anhydride
Preparation of vanadium-phosphorus oxide catalysts. I. Dissolution and reduction of vanadium pentoxide and isolation of the precursor 91
Methanation
Silica supported rhodium–ruthenium bimetallic catalysts in carbon monoxide hydrogenation. I. Influence of the method of preparation and methanation behaviour 229
Methane oxidative coupling
High selectivity catalysts for the oxidative coupling of methane. Complex oxides with the rock salt structure L1
Methanol conversion
Methanol conversion on aluminophosphates with zeolite structure 1
Methanol conversion
Methanol conversion to hydrocarbons. Primary versus secondary formation of methane and ethene 29
Methanol conversion
Effect of crystallization time on the physicochemical and catalytic properties of a ZSM-5 type zeolite 35
Methanol conversion
Conversion of methanol on ultrastable faujasitic catalysts. Selective formation of hexamethylbenzene 195
Methanol conversion
Selective transformation of methanol into light olefins on metallic catalysts 299
Microreactor
High selectivity catalysts for the oxidative coupling of methane. Complex oxides with the rock salt structure L1

Minilith
Performance of the Minilith – A shaped hydrodemetallation catalyst 47
Molybdenum
Nitric oxide chemisorption and temperature-programmed desorption study of cobalt and molybdenum catalysts supported on activated carbon and alumina 307
Mössbauer spectroscopy
Iron sulphide containing hydrodesulphurization catalysts. Mössbauer study of the sulphidibility of α-iron(III) oxide 153

Nickel-chromium
New approach to skeletal nickel catalysts. Catalytic properties of the nickel-chromium system 285
Nickel-copper/titania
Production of higher alcohols from synthesis gas over nickel containing catalysts. Effects of adding copper and sodium to coprecipitated $NiO-TiO_2$ catalysts 143
Nickel-exchanged zeolite Y
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325
Nickel/alumina
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205
Nickel/silica
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalyst in integral flow conditions 121
Nickel/silica
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205
Nickel/silica-alumina
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205
Nickel/titania
Production of higher alcohols from synthesis gas over nickel containing catalysts. Effects of adding copper and sodium to coprecipitated $NiO-TiO_2$ catalysts 143

Oligomerization
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205
Oligomerization
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325
Oxidative coupling
High selectivity catalysts for the oxidative coupling of methane. Complex oxides with the rock salt structure L1

Palladium/alumina
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Palladium/silica
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Platinum–iridium/alumina
Interaction between iridium and platinum precursors in the preparation of iridium-platinum catalysts 61
Platinum/alumina
Interaction between iridium and platinum precursors in the preparation of iridium-platinum catalysts 61
Platinum/silica
Slow uptake of oxygen and carbon monoxide by platinum/silica (EUROPT-1) and subsequent effects on hydrogenation of benzene and hydrogenolysis of methylcyclopentane 337
Propene oligomerization
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205

Raney nickel
New approach to skeletal nickel catalysts. Catalytic properties of the nickel–chromium system 285
Regeneration
Activation of zeolite Ω. I. Physicochemical characterization of calcined and self-steamed samples 105
Regeneration
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205

Rhodium-ruthenium/silica
Silica supported rhodium-ruthenium bimetallic catalysts in carbon monoxide hydrogenation. I. Influence of the method of preparation and methanation behaviour 299
Rhodium/lanthana
Promoting effect of lanthana in the hydrogenation of carbon monoxide over supported rhodium catalysts 77
Rhodium/silica
Promoting effect of lanthana in the hydrogenation of carbon monoxide over supported rhodium catalysts 77

Selectivity
High selectivity catalysts for the oxidative coupling of methane. Complex oxides with the rock salt structure L1
Selectivity
Diffusion, cracking and coking on HZSM-5 of various morphologies 15
Selectivity
Methanol conversion to hydrocarbons and ethene. Primary versus secondary formation of methane 29
Selectivity
Performance of the Minilith - A shaped hydrodemetallation catalyst 47
Selectivity
Promoting effect of lanthana in the hydrogenation of carbon monoxide over supported rhodium catalysts 77
Selectivity
Activation of zeolite Ω. I. Physicochemical characterization of calcined and self-steamed samples 105
Selectivity
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalyst in integral flow conditions 121
Selectivity
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Selectivity
Production of higher alcohols from synthesis gas over nickel containing catalysts. Effects of adding copper and sodium to co-precipitated $NiO-TiO_2$ catalysts 143
Selectivity
Low-temperature hydrocarbon conversion over rare-earth-exchanged zeolite X catalyst 169
Selectivity
Conversion of methanol on ultrastable faujasitic catalysts. Selective formation of hexamethylbenzene 195
Selectivity
Nickel-based heterogeneous catalysts for olefin oligomerization. I. Support and anion effects 205
Selectivity
New approach to skeletal nickel catalysts. Catalytic properties of the nickel-chromium system 285
Selectivity
Selective transformation of methanol into light olefins on metallic catalysts 299
Silica
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Silver crystallites
Effect of pretreatment on the adsorption properties of silver crystallites 255
Sintering
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131
Sintering
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Sintering
Slow uptake of oxygen and carbon monoxide by platinum/silica (EUROPT-1) and subsequent effects on hydrogenation of benzene and hydrogenolysis of methylcyclopentane 337
Surface area
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217
Surface area
Effect of pretreatment on the adsorption properties of silver crystallites 255
Syngas conversion
Production of higher alcohols from syn-

thesis gas over nickel containing catalysts. Effects of adding copper and sodium to co-precipitated $NiO-TiO_2$ catlysts 143

Temperature influence
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325

Temperature-programmed desorption
Determination of the number and acid strength of acid sites in zeolites by ammonia adsorption. Comparison of calorimetry and temperature-programmed desorption of ammonia 239

Temperature-programmed desorption
Nitric oxide chemisorption and temperature-programmed desorption study of cobalt and molybdenum catalysts supported on activated carbon and alumina 307

Temperature-programmed reduction
Interaction between iridium and platinum precursors in the preparation of iridium–platinum catalysts 61

Temperature-programmed sulphiding
Iron sulphide containing hydrodesulphurization catalysts. Mössbauer study of the sulphidibility of α-iron(III) oxide 153

Thermal stability
Thermal stability of alkali metals deposited on oxide supports and their influence on the surface area of the support 217

Thiele modulus
Performance of the Minilith – A shaped hydrodemetallation catalyst 47

Toluene hydrogenation
Catalytic storage of hydrogen: Hydrogenation of toluene over a nickel/silica aerogel catalyst in integral flow conditions 121

Vanadium-phosphorus oxide
Preparation of vanadium-phosphorus oxide catalysts. I. Dissolution and reduction of vanadium pentoxide and isolation of the precursor 91

Vinylacetylene hydrogenation
Effect of dispersion of supported palladium on its electronic and catalytic properties in the hydrogenation of vinylacetylene 131

Zeolites
Methanol conversion on aluminophosphates with zeolite structure 1

Zeolites
Diffusion, cracking and coking on HZSM-5 of various morphologies 15

Zeolites
Methanol conversion to hydrocarbons. Primary versus secondary formation of methane and ethene 29

Zeolites
Effect of crystallization time on the physicochemical and catalytic properties of a ZSM-5 type zeolite 35

Zeolites
Activation of zeolite Ω. I. Physicochemical characterization of calcined and self-steamed samples 105

Zeolites
Low-temperature hydrocarbon conversion over rare-earth-exchanged zeolite X catalyst 169

Zeolites
Conversion of methanol on ultrastable faujasitic catalysts. Selective formation of hexamethylbenzene 195

Zeolites
Determination of the number and acid strength of acid sites in zeolites by ammonia adsorption. Comparison of calorimetry and temperature-programmed desorption of ammonia 239

Zeolites
Oligomerization of ethene over nickel-exchanged zeolite Y into a diesel-range product 325

ZSM-5
Effect of crystallization time on the physicochemical and catalytic properties of a ZSM-5 type zeolite 35